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SHAFT SEAL DEVICE FOR POWDER HANDLING EQUIPMENT

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ABSTRACT

PROBLEM TO BE SOLVED: To provide a **shaft seal** device for powder handling equipment that can **seal** in powder with reliability eve in a non-lubricated dry state because of a low coefficient of friction, an appreciable sliding characteristic and a little change in the sealing characteristic by a temperature change, low in costs itself and excellently mountable on a rotary **shaft** and body case.

SOLUTION: Powder handling equipment has a body case 1 with a side 7 capable of storing at least powder 6, and supports a rotary **shaft** 2 passed through the opposite side 7 of the body case 1 so that it is rotatable via a **bearing** 4. A **lip seal** 5 of a fluorine-based resin is disposed inwardly of the **bearing** 4 and between the side 7 of the body case 1 and the rotary **shaft** 2 to **seal** the powder 6.

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